Listing of Claims:

Claim 1 (previously presented) An aircraft brake heat pack brake disc in the form of a composite article comprising an annular core layer having an outer perimeter and a face portion and an annular wear layer for frictional engagement with an adjacent brake disc, the annular wear layer attached to and extending across the face portion, wherein the core layer is a C-C composite article impregnated with a refractory carbide and the wear layer is a C-C composite article and has a density lower than the core layer.

Claim 2 (previously presented) The aircraft brake heat pack brake disc as claimed in Claim 1, wherein the density of the core layer is in excess of 1.85 $gcm^{-3}$.

Claim 3 (cancelled)

Claim 4 (cancelled)

Claim 5 (previously presented) The aircraft brake heat pack brake disc as claimed in Claim 1, wherein the refractory carbide is silicon carbide or boron carbide.

Claim 6 (previously presented) An aircraft brake heat pack comprising a brake disc in the form of a composite article comprising an annular core layer formed from C-C composite impregnated with a refractory carbide, the core layer having a density of greater than 1.85 $gcm^{-3}$ and having a face portion extending across and attached to an annular carbide-free C-C wear layer having a density of 1.85 $gcm^{-3}$ or lower.

Claim 7 (previously presented) The aircraft brake heat pack as claimed in Claim 6, wherein the refractory carbide is silicon carbide or boron carbide.

Claim 8 (cancelled).

Claim 9 (previously presented) The aircraft brake heat pack as claimed in Claim 6, wherein the density of the core layer is in the range of greater than 1.85 $gcm^{-3}$ to 2.95 $gcm^{-3}$.

Claims 10-14 (cancelled)

Claim 15 (previously presented) An aircraft wheel and brake assembly comprising brake discs, one or more of the brake discs having an annular core layer of density greater than 1.85 $gcm^{-3}$and at least one annular wear layer for engagement with an adjacent disc, the wear layer extending across and attached to a face of the core having a density 1.85 $gcm^{-3}$or lower, wherein the core layer comprises a C-C composite impregnated with refractory carbide.

Claim 16 (previously presented) An aircraft brake heat pack comprising a brake disc in the form of a composite article comprising an annular core layer having a face portion and having a density of greater than 1.85 $gcm^{-3}$, extending across and attached to the face portion of the core layer is an annular wear layer for frictional engagement with an adjacent disc, the wear layer having a "density of 1.85 $gcm^{-3}$ or lower.